

## **Manufacturing, Integration, Testing and Supply of Mobile Launcher Vehicle (MLV) for QR-SAM**

The QRSAM Weapon System is a Quick Reaction Missile System being developed by DRDO, capable of Surveillance, Target Acquisition and Tracking while on the move and fire on short halts for an Area Air Defence. R&DE (E) was responsible for the development of the Mobile Launcher Vehicle (MLV) for QRSAM System and has successfully completed the task of design and development of Mobile Launcher Vehicle (MLV). This has successfully undergone various technical trials, track trials and flight trials and successfully completed all the qualification trials. In view of above, it is proposed to carry out ToT for Manufacturing, Integration, Testing and Supply of Mobile Launcher Vehicle for QR-SAM.

### **Salient Features:**

- Transportation, Emplacement, Slewing & Elevation, Activation and Launch of QRSAM Canisterised Missiles (CMs).
- Quick deployment and launching of the CMs from uneven as well as soft grounds.
- Wireless communication for data transfer and voice communication between various systems.
- Dedicated onboard power supply system along with a redundant power supply system and capability of operating on commercial mains supply
- Fully Automatic and Powered Operation with a provision for Manual Operation as a standby.
- To provide Transportation by Rail, Road and Air

1. Interested companies/industries are requested to apply against this EoI to following address:-

To,

**The Director  
Research & Development Establishment (Engineers)  
DRDO, Govt. of India, Ministry of Defence,  
Kalas, Alandi Road, Dighi P. O., Pune- 411015, India  
Phone No: 020-27044001  
Email-director.rde@gov.in  
Fax No: 020-27044010**

2. A copy of interest may be sent to the following address without any attachment:-

To,

**The Director,  
Directorate of Industry Interface & Technology Management (DIITM),  
Room No. 447, DRDO Bhawan, Rajaji Marg, New Delhi-110 011  
Email-diitm.hqr@gov.in  
Fax-011-23793008  
Ph:011-23007446**

All industries interested in seeking ToT are requested to apply in the format given below. Kindly fill in the fields. The list of documents to be attached is provided in Annexure – I. Kindly provide the reference of page no. of supporting document in the relevant field of form.

### **PART-1**

#### **General Information**

(Please enclose documents in support of information provided)

|     |                                                                                                                        |  |
|-----|------------------------------------------------------------------------------------------------------------------------|--|
| 1.  | <b>Name of the Technology requested for Technology Transfer (Technology name and concerned Lab, Category)</b>          |  |
| 2.  | <b>Name of the industry/ organization</b>                                                                              |  |
| 3.  | <b>Complete Address and other details</b>                                                                              |  |
|     | <b>Registered Office</b><br>State<br>Phone No<br>Fax<br>Email<br>Website                                               |  |
|     | <b>Factory</b><br>State<br>Phone No<br>Fax<br>Email<br>Website                                                         |  |
| 4.  | <b>Point of Contact</b><br>Name<br>Designation<br>Address<br>Mobile No<br>Ph No<br>Email ID                            |  |
| 5.  | <b>NAME OF CMD/ MD /PARTNERS/ PROPRIETOR/ etc</b><br>Name<br>Designation<br>Address<br>Mobile No<br>Ph No<br>Email ID  |  |
| 6.  | <b>Date of Incorporation of company</b>                                                                                |  |
| 7.  | <b>Foreign Direct Investment in company (if any in %)</b>                                                              |  |
| 8.  | <b>Shareholding pattern</b>                                                                                            |  |
| 9.  | <b>Turn over as per Audited Balance Sheet for the preceding three years.</b><br>Year _____<br>Year _____<br>Year _____ |  |
| 10. | <b>Annual budget for R&amp;D during last three years (if any)</b><br>Year _____<br>Year _____<br>Year _____            |  |
| 11. | <b>Income Tax returns for the preceding three years period</b><br>Year _____                                           |  |

|     |                                                                                                                                                                                                                                                 |  |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|     | <b>Year _____</b><br><b>Year _____</b>                                                                                                                                                                                                          |  |
| 12. | <b>Nature of company</b><br>DPSU, Private Limited, Public Limited,<br>Partnership, Proprietary, Ex- Serviceman Unit                                                                                                                             |  |
| 13. | <b>Category of industry</b><br>Large Scale, Medium Scale, Small Scale, Micro,<br>Startup                                                                                                                                                        |  |
| 14. | <b>MSME Registration No</b>                                                                                                                                                                                                                     |  |
| 15. | <b>Certificates of registration as a manufacturing unit, if any.</b>                                                                                                                                                                            |  |
| 16. | <b>If Startup, DPIIT Registration No</b>                                                                                                                                                                                                        |  |
| 17. | <b>UDYOG AADHAR No</b>                                                                                                                                                                                                                          |  |
| 18. | <b>PAN Number</b>                                                                                                                                                                                                                               |  |
| 19. | <b>Details of Industrial license for defence manufacturing issued by DPIIT (if any)</b>                                                                                                                                                         |  |
| 20. | <b>Details of PESO license (if any)</b>                                                                                                                                                                                                         |  |
| 21. | <b>GST Number</b>                                                                                                                                                                                                                               |  |
| 22. | <b>Nature of business</b><br>Manufacturing/ Sole Selling or Authorized<br>Agent/ Assembler/ Traders/ Dealer/ Processor/<br>Repacker/ Others                                                                                                     |  |
| 23. | <b>Details of current products and services</b><br>Products and services Supplied (please specify<br>Govt/ Domestic market/ Export)                                                                                                             |  |
| 24. | <b>Record of past performance</b><br>(e.g., Supply orders executed against of Ministry<br>of Defence orders, Public Sectors and<br>Paramilitary Forces, if any).                                                                                |  |
| 25. | <b>Details of registration with</b><br>NSIC / SSI, DGS&D, other Defence<br>Department, other Govt. Dept, membership of<br>FICCI/ASSOCHAM/CII or other Industrial<br>Association<br><b>(Attach relevant copies of registration<br/> letters)</b> |  |
| 26. | <b>Have you already taken any technology from<br/> DRDO</b> (If yes, give details attaching separate<br>sheet)<br><br>Name of the Technology, Lab, Year, License<br>number & Status                                                             |  |
| 27. | <b>ISO/ ISI certification or any other certification</b><br>(If yes, give details)                                                                                                                                                              |  |
| 28. | <b>Relevant clearances form the authorities/<br/>ministries</b> (if any)                                                                                                                                                                        |  |
| 29. | <b>Capacity and capability to undertake<br/>developmental work and to accept attendant<br/>financial and commercial risks.</b>                                                                                                                  |  |
| 30. | <b>Capacity/capability to market the product<br/>through the marketing network, sales and<br/>service network, reliability to maintain<br/>confidentiality.</b>                                                                                 |  |

## **PART-2**

### **Infrastructure and other Information**

|           |                                                                                                                                        |  |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>1.</b> | <b>Total area of factory</b><br>Covered (m <sup>2</sup> ),<br>Uncovered (m <sup>2</sup> ),<br>Bonded space available (m <sup>2</sup> ) |  |
| <b>2.</b> | <b>Ownership of factory</b><br>Self-owned, partnership, rental                                                                         |  |
| <b>3.</b> | <b>Electric power</b><br>Sanctioned<br>Installed<br>Standby (if any)                                                                   |  |
| <b>4.</b> | <b>Availability of adequate infrastructure</b><br>(List of machines and their production capacities) and technical expertise           |  |
| <b>5.</b> | <b>Name of bank &amp; A/c No Name of bank</b><br>A/c type<br>A/c no<br>Address of the bank<br>Phone:<br>Email:                         |  |

**6. Details of current products:**

| S.No | Type | Description | Licensed/installed capacity | Annual production for preceding 3 years |
|------|------|-------------|-----------------------------|-----------------------------------------|
|      |      |             |                             |                                         |
|      |      |             |                             |                                         |

**7. Details of foreign collaboration, if any**

| S.No | Product | Name and address of collaborator | Year | Remarks |
|------|---------|----------------------------------|------|---------|
|      |         |                                  |      |         |
|      |         |                                  |      |         |

**8. Details of products developed for services**

| S.No | Nomenclature of stores | Order No. and date | Remarks |
|------|------------------------|--------------------|---------|
|      |                        |                    |         |
|      |                        |                    |         |

**9. Please give details of important facilities & infrastructure as per following format for:**

- (a) Production
- (b) Unconventional, special m/c
- (c) Testing & quality control facilities

| S.No | Description of m/c | Make & model | Qty | Date of purchase | Remarks |
|------|--------------------|--------------|-----|------------------|---------|
|      |                    |              |     |                  |         |
|      |                    |              |     |                  |         |

**10. Furnish the following details with relevant certificates and documents**

- (a) R&D facilities available :
- (b) Inspection quality control of raw material components :
- (c) Assistance from central agency for testing / calibration etc.: :
- (d) laboratory and drawing office facility :

**11. Principal customers:**

| S. No | Name & address | S.O No and date | Date of last supply | Products supplied | Value |
|-------|----------------|-----------------|---------------------|-------------------|-------|
|       |                |                 |                     |                   |       |

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  |  |
|--|--|--|--|--|--|

12. **Future plans (if any) in respect of expansion programme/ installation of additional machines/ test facilities etc.**
13. **Name of the technology requested for transfer**  
(give self-assessment of your capability to absorb the technology)
14. **Details of employee as on date on firm's pay roll**

| <b>PERMANENT</b> |                                                                                                                |        |               |               |
|------------------|----------------------------------------------------------------------------------------------------------------|--------|---------------|---------------|
| Category         | Post Held                                                                                                      | Number | Qualification | Total Service |
| Technical        | Prod. Manager<br>Q.C. Manager<br>Supervisor<br>Testing Staff (QC)<br>Skilled workers<br>Unskilled workers, etc |        |               |               |
| Administrative   | Purchase Manager<br>Accounts Officer<br>Office Superintendent<br>Clerical<br>Others, etc                       |        |               |               |

| <b>TEMPORARY</b> |                                                                                                                |        |               |               |
|------------------|----------------------------------------------------------------------------------------------------------------|--------|---------------|---------------|
| Category         | Post Held                                                                                                      | Number | Qualification | Total Service |
| Technical        | Prod. Manager<br>Q.C. Manager<br>Supervisor<br>Testing Staff (QC)<br>Skilled workers<br>Unskilled workers, etc |        |               |               |
| Administrative   | Purchase Manager<br>Accounts Officer<br>Office Superintendent<br>Clerical<br>Others, etc                       |        |               |               |

### **DECLARATION:**

I / we confirm that the information furnished in Part 1 & 2 above is correct. In the event of any information given by me / us is found incorrect / false at any time, I / we understand our EoI for ToT will be cancelled/ rejected without notice, beside any other appropriate action against me / us.

Industry seal

Authorized signatory

Name(s) in capital

Designation and seal of authorized signatory

Date:

Place:

**List of Support documents to be attached with EoI**

- (a) Memorandum and Articles of Association (Should be incorporated as per Indian Companies Act, as amended time to time)
- (b) Certificates of registration as a manufacturing unit, if any.
- (c) Audited Balance Sheet for the preceding three years.
- (d) Income Tax returns for the preceding three year period
- (e) Details of shareholding/ownership pattern especially foreign partners/ shareholders, foreign employees, directors, etc. The company must adhere to the prevailing Govt of India policies and regulations on Foreign Direct Investment (FDI)/DIPP norms as applicable.
- (f) Annual budget for R&D during last three years.
- (g) Numbers and details of IPR or patents, etc., held by the company.
- (h) Number of technically or professionally qualified personnel.
- (i) Record of past performance (e.g., Supply orders executed against of Ministry of Defence orders, Public Sectors and Paramilitary Forces, if any).
- (j) Availability of adequate infrastructure (List of machines and their production capacities) and technical expertise.
- (k) List of Testing and Support equipment's
- (l) ISO/ ISI certification or any other certification
- (m) Relevant clearances from the authorities/ ministries (if any)
- (n) Capacity and capability to undertake developmental work and to accept attendant financial and commercial risks.
- (o) Capacity/capability to market the product through the marketing network, sales and service network, reliability to maintain confidentiality.
- (p) PESO and DPIIT license for explosive handling if ToT is for high energy Material, explosives, propellants, and component/ system dealing with it etc.
- (q) Under taking from company seeking ToT that none of its Directors, Independent Directors, non-executive Directors, Key management personnel are involved in any corrupt practices, unfair means and illegal activities.
- (r) Details of the industrials license for defence manufacturing be provided by the industry seeking ToTs.
- (s) Application cum Industry Assessment Form